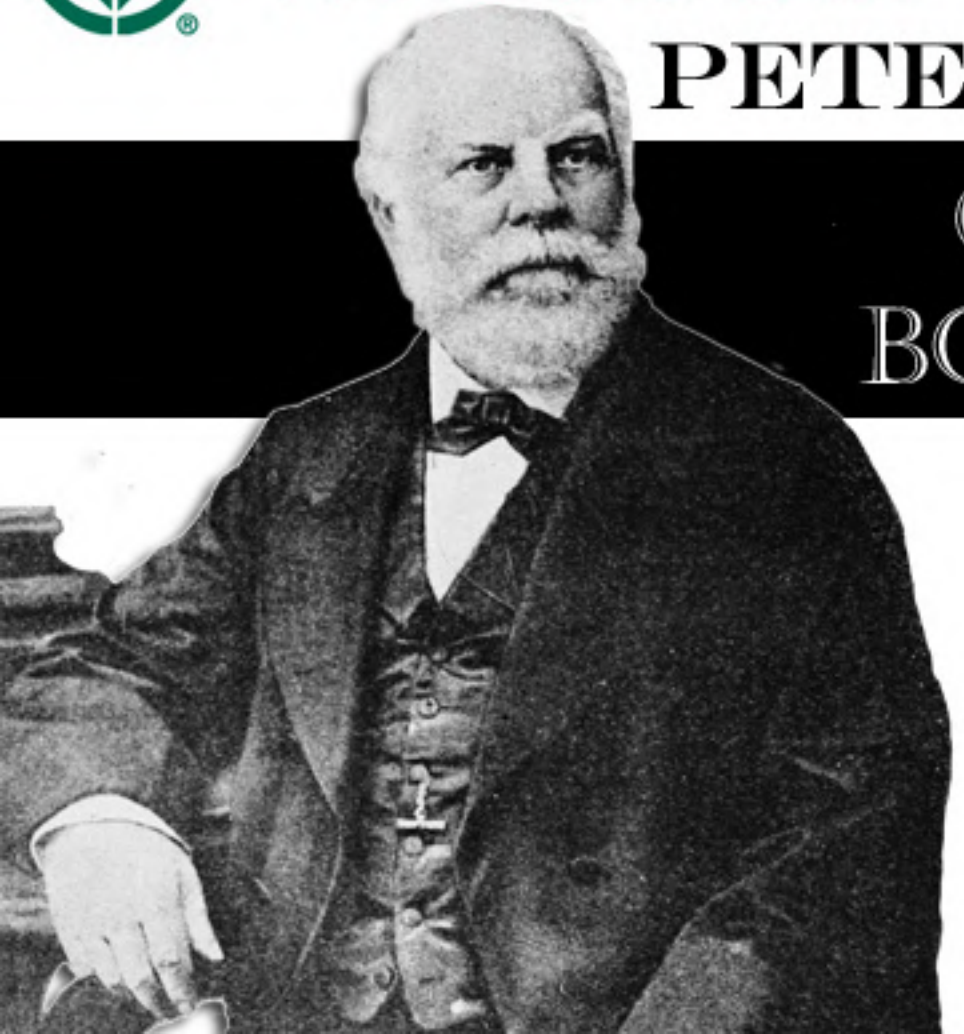
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

1-23

Zuccarini Abh. Bay Ac 1837 p 24
melocactus i insbesondere

Melocactus, Miquel 1839 contrib DC.
Link & Otto not mentioned
DC Revue 1828 in Mem Mus Paris
XVII
Tournefort Institut. (All Cactaceae which did belong to Opuntia.)

Original name — Link & Otto 1827 in Verhandl d. Vereins zur Bef. d Gartenb. III. 417
also acknowledged by Bentham & Hook I p. 847

DeCand Dissert. 1826 quoted — DC Prod.
(1826 is a slip for 1828 — and Diss. mem. Revue.
but it is possible that the plates of the Revue were already finished in 1826.

Melocactus Casp Bauhin Pin. 384.

1026-A

Passerina filiformis L.

Pers I, 436
Spr II, 239

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ɣ In Aethiopia, ad Cap b. spei

Herbst Getr.

Sept 1882 Compare Miqual Melocactus p. 118 also 102 also Journ. Li.

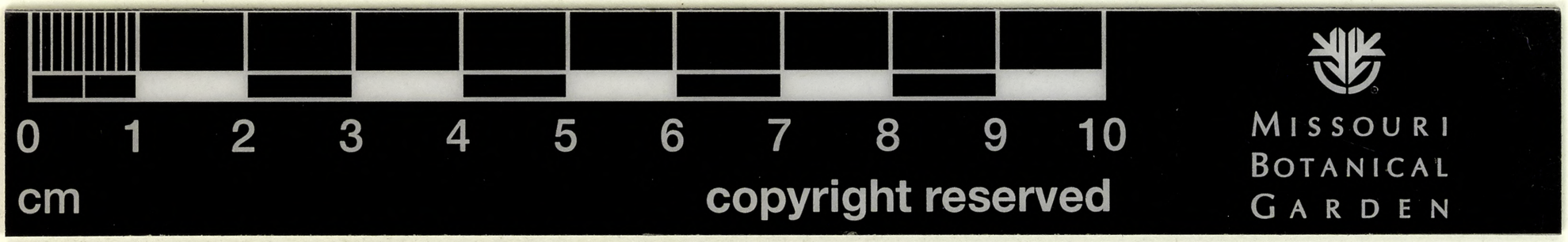
In Melocactus The two areolae (present in many Cactaceae (the cauliferous and the florifferous one, and more or less contiguous to one another) are found on different parts of the plant; the vegetative or body of the plant bears only cauliferous areolae, the florifferous part or spadix bears only florifferous areolae (no "buds" below the flower)

Only on the transition zone between them we find both areolae (the florifferous above the cauliferous one) and then the florifferous one is there always incomplete and sterile. Only when the cauliferous one has entirely disappeared, the florifferous one becomes fully developed and bears flowers, in the centre of the highly convex areola and surrounded by dense wool & bristles

The name of spadix is more appropriate than those which applied it, could guess. It is really a thick spike without bracts or any thing morphologically representing them.

Thus Melocactus is distinct from all other Cactaceae (but Mam. mirabilis with its clavate divisions bristles = the flowering part offers some analogy — scarcely!)

1026



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0 1 2 3 4 5 6 7 8 9 10
cm
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Melocactus communis is
credited by DeCandolle
Prod. to Link & Otto
by Pfeiffer En. to DC.
by Miquel also to DC

1027

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cm
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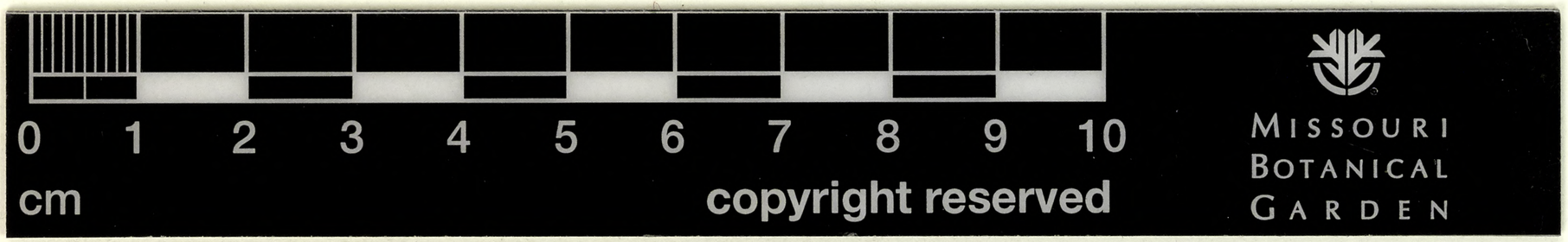
must be Revue 1828

Melocactus DC C. Fisch. 1826 quoted : H. Bot. Cat. ed. Pfeiffel

Link & Otto 1827

1028



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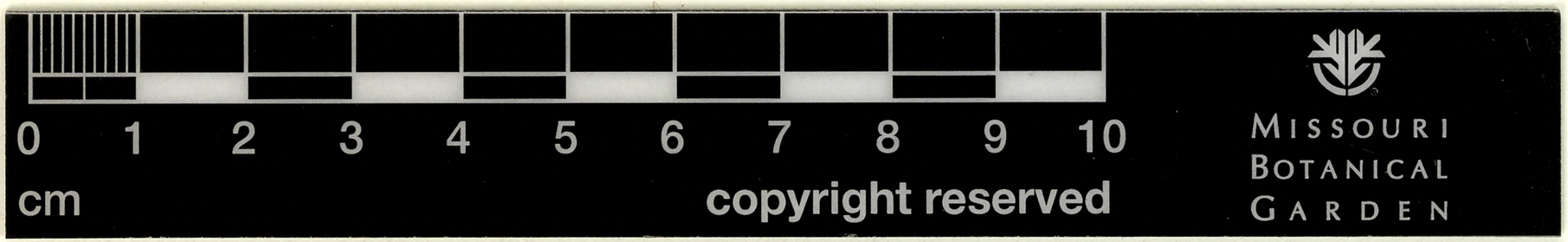
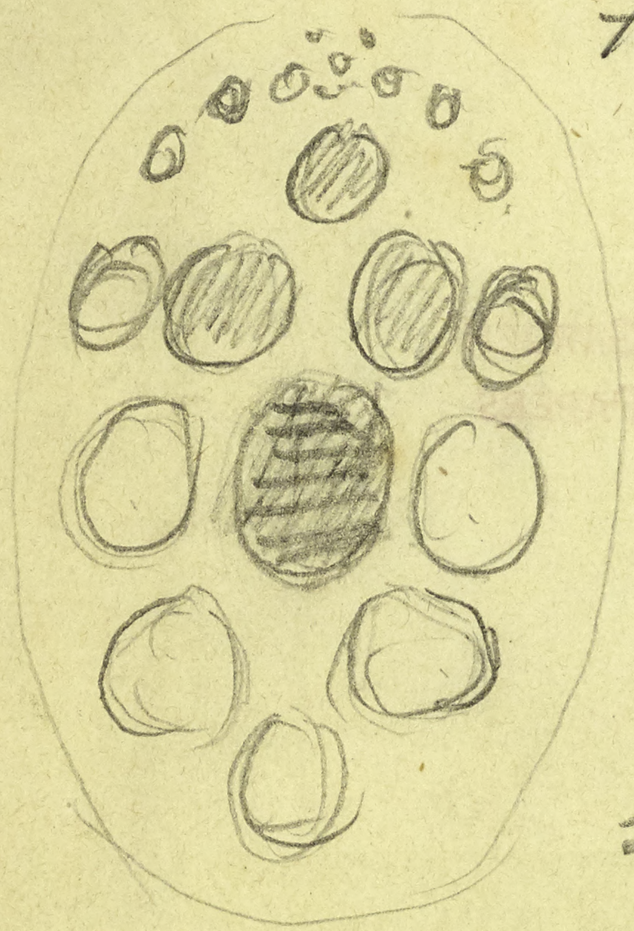


Meloracton Cuba Wright Apl 1865

distinguished from M. connatus and most others by the straight & the curvature of spines



Wright Cuba N. 2618

Sect. Cnemispinae Lab. p. 10 next to Lehmann & cnemispinus

1029

spines stout, curved upwards stoutest & longest ventrals

2 series by

1:8+2(+6-9) 8 median ones with 2 additional ↳ 6-9 basally approximate

or

4:7+6+9 or 11 stouter & 6-9 weaker ones

the 4 black shaded ones can be considered central

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ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.
CHEMIST.
ALL THE NEW REMEDIES CONSTANTLY ON HAND

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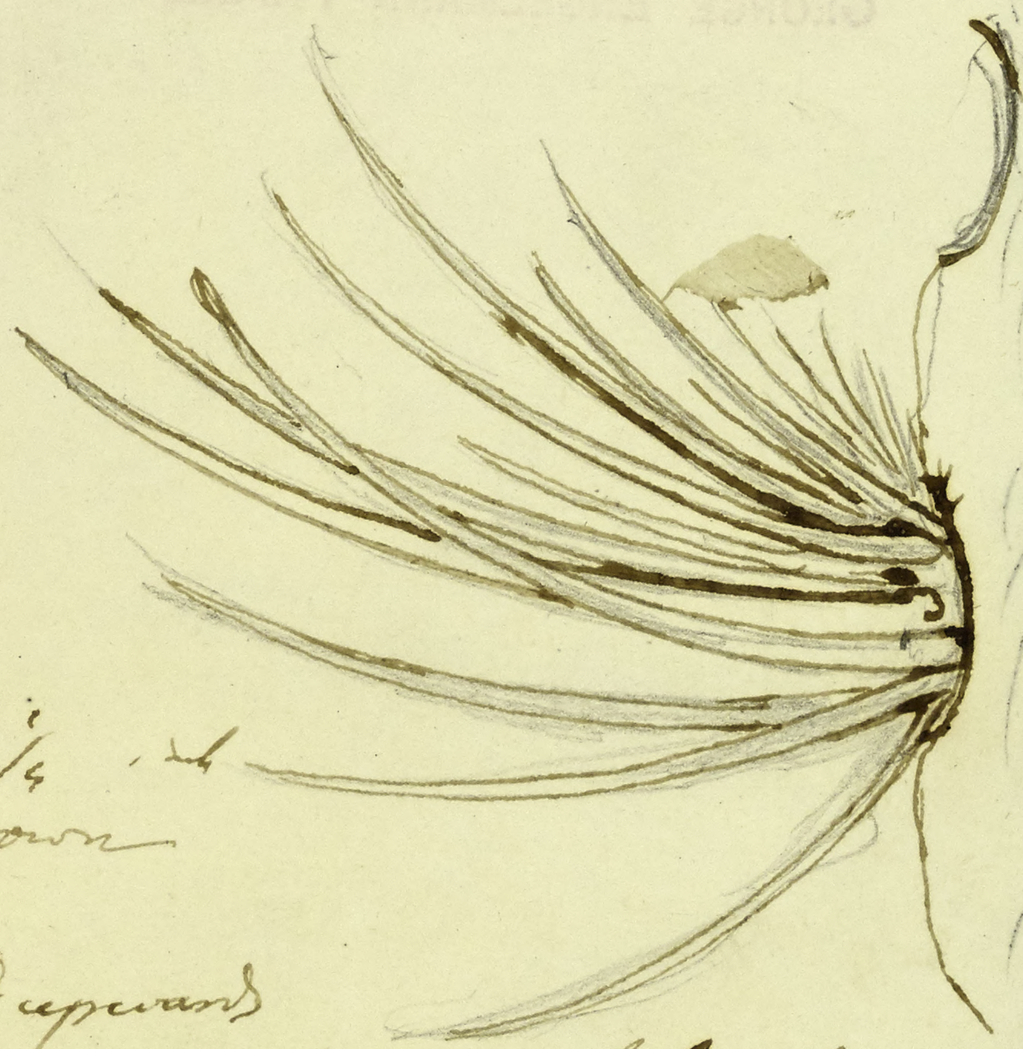
2618 "Meloracteus communis" May 15 1871

Grisebach Cat. 116

Wright Cuba 1860-1864

areolae oval
seven ribs long
distance between them
same

stouter spines 2 – 2¼ in. long, red brown
smooth



all spines curved upwards
4 central ones, the lowest stoutest, laterally compressed
6 lateral ones, middle ones stoutest, 1 lowermost
2 little weaker
6–10 small areolae next upper ones 3–6 l. long

1030

0 1 2 3 4 5 6 7 8 9 10 cm
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Leitch & Corlies
DRUGGISTS
SouthWest Corner Fifth and Market Streets

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cm 0 1 2 3 4 5 6 7 8 9 10
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x 8.

Meloncactus communis ?

Sept 17 1861

Cuba Wright

1 1/4 mm long

cotyledons regularly transverse, often more or less oblique and once seen parallel

1031

0 1 2 3 4 5 6 7 8 9 10
cm
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M. W. ALEXANDER,
SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,
ST. LOUIS.

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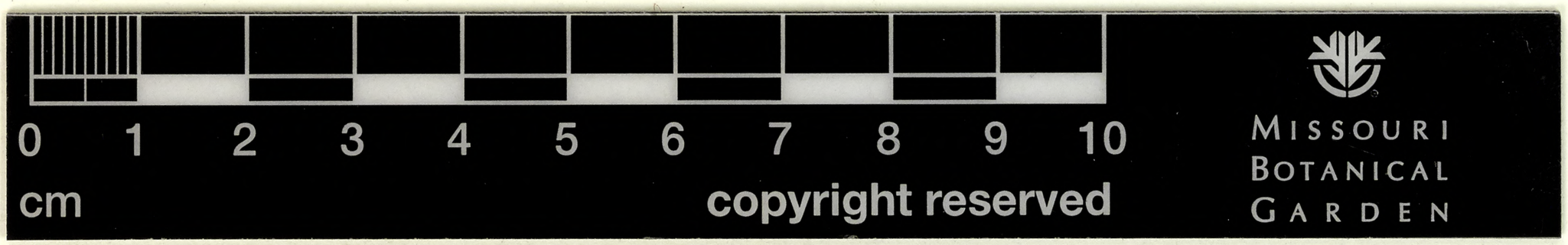
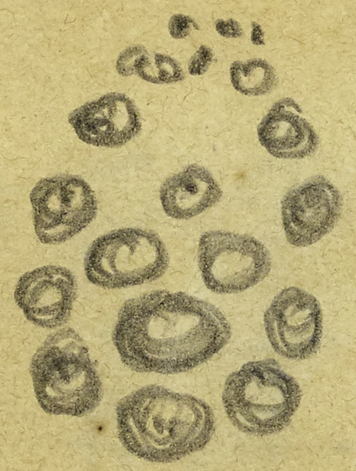


Meloxanthus Wright Cuba oriental. Sept - Dec 1859

1861



letter

1871

ENNOSANDER,

APOTHECARY,

CORNER OF SECOND AND WALNUT STREETS,

UNDER BARNUM'S HOTEL,

ST. LOUIS, MO.

1082

letter

4 central 1/p

11 radial

3-4 adhesd small, above

lower central largest, shortest

the outer & lower radial equal

upper radial smallest

arcola oval appressed

upon black board

straight or curved

1/2 - 1 1/2 inch long,

4 central, lower compressed

0 1 2 3 4 5 6 7 8 9 10 cm

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Decandolle White

10 lines petals rose / mallow

15 ort all obovate

corolla — inner almost

as white

8 / short white erect rays

short straight / top. Cypsela

ext. involucre

Stapes. 10 ray pist. straight

fl. for young growth

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GEORGE ENGELMANN PAPERS

ST. LOUIS, MO.
CORNER OF SECOND AND MYRTLE STREETS
FRANK SANDER'S HOTEL
PHOTOGRAPHY

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cm
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Meloraetus

Sept 8th 1863

Herb. Bot. Cambridge Sept 1863

1033

umbilicus
×4

×8

base

×8

embryo

top view

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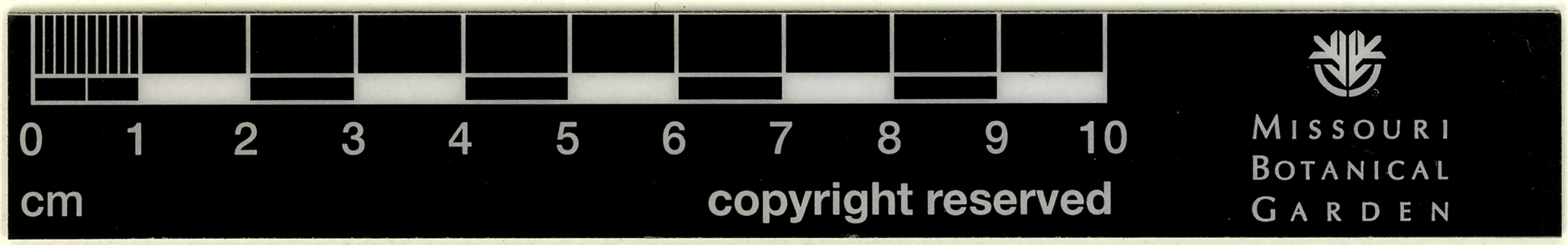

Paris. July 1857

Melocactus communis —

1034

20 – 25 sepals & petals,
very few, scaly ones
above the middle of the
flowering tube; most of the
petals however of the same
kind — very few can be
distinguished as external or as belonging
to the lower — Lower half of
tube naked, round with wool
which however belongs to the
areola, not to the flower.
Lower half of remainder of tube also naked

over

0 1 2 3 4 5 6 7 8 9 10
cm
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~~upper~~ (free of stamens) upper half covered
with a succession of stalked or short filiform
stigmatic lobes upon much flattened,
divided into 6 stigmata, ~~arcuate or~~
~~capitate~~, not stigmatose at ~~capitate~~
point. —

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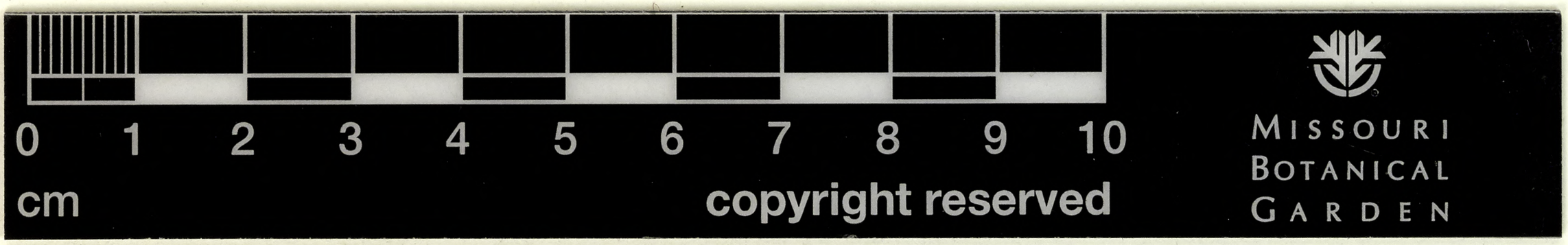
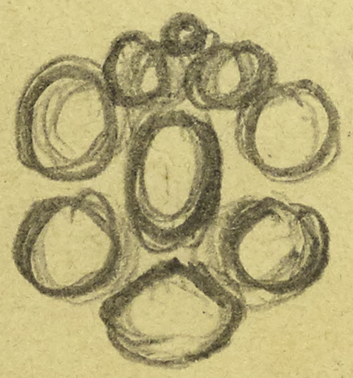


"Meloraches Communis" May 14 1871

A Dumas, St Pierre Feb 1871

1035

Flat, 3/4 inches diam 2/4 high
9 broad but sharp, (interrupted) ribs
no cephalium yet



8 mid spins, uppermost smallest (sometimes wanting) central spine somewhat laterally compressed, straight, other spines pubescent straight, & slightly transversely ribbed towards one longest, (10-12 lines) Reclined above. An youngest areola only central spine present — first to appear.

Other spines light yellow horn colour, darker at tips

Leitch & Collies

CHEMISTS & DRUGGISTS

SouthWest Corner Fifth and Market Streets

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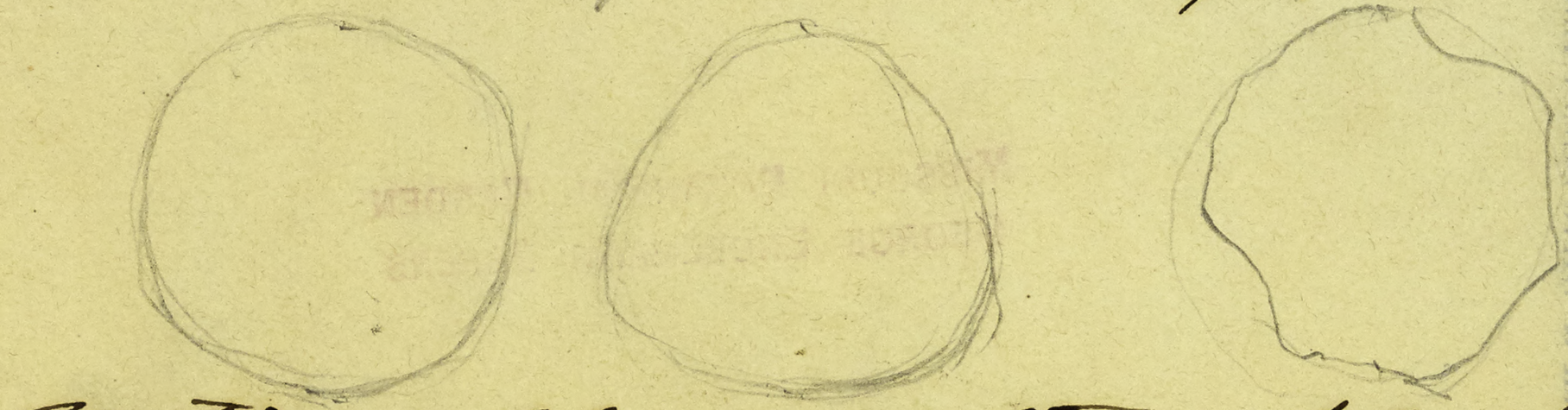
June 1860

" Meloraches communis "

Paris July 1857

Pollen of the dry flower $\frac{12}{4 \cdot 12}$ Cing, mostly shrivelled



angular

tomatic globose, or obtusely tetrahedral

Ovulum abt. $\frac{1}{60}$ Long (of soaked flower

in Long Jussieu's valley, but simple

×60

fruit only 4-5ˢ long as

long as ovule, straight

not curled

1036

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ALEX. LEITCH,
POTHECARY & PHARMACEUTIST,
Marble Building, Cor. Fourth & Olive Sts., St. Louis, Mo.

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" Melocactus communis "

May 13 1871

St Domingo, Parry Febr 1871

1037

imaginary

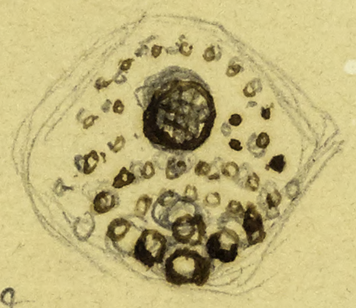
spines on top of floriferous areola, 20–30, lower part pale yellowish, gradually attenuate, setiform often flexuous, white, upwards dilated linear lanceolate, scarlet — lowest shortest flower in centre of areola; all imbedded in long white wool.

8 radial spines lower much the shortest, lowest as long & stout as or even stouter than central one 14 mm long, upper one 6 & 4 mm long

or more about 20 mm long

flower

lower side of detached areola



upper side

longitudinal section

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Leitch & Collies
CHROMOGRAPHS
South West Corner Fifth and Market Streets

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